

# Receiving Report

Date:

14-11-B

Batch No:

130879

Supplier:

TEMPO

Dart P/O:

26440

Packing Slip: Yes  No   
 Invoice: Yes  No   
 Receipt: Cash  Cr   
 New Supplier Yes  No

Release Note Attached: Yes  No  N/A   
 Waybill Attached: Yes  No   
 Shipment Complete: Yes  No  N/A   
 QC18 Inspection   
 Work Order

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO26440**

Purchase Order Date 11/10/2014  
PO Print Date 11/10/2014

Page Number 1 of 2

Order From :  
TEMPO AEROSPACE INC.  
205 FENMAR DR.  
TORONTO, ON M9L 2X4  
CA

VC-TEM001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Customer POID	
	Customer Tax #	10127-2607
Ship To Contact	Terms	Net 30
Ship To Phone	Currency	CAD
Ship Via:	FOB	Destination-Collect
Ship Acct:		

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extend Pr
1	71400-11	4500-P-23Y YELLOW EPOXY PRIMER	11/19/2014	Yes	4.00 Each	\$124.00	\$496.
	Procurement Quality Clauses		11/19/2014				
	A005 RIGHT OF ENTRY						
	A014 SHELF LIFE CONTROLLED MATERIAL; 70% SHELF LIFE REQUIRED AT RECEIPT						
	A026 CERTIFICATION OF MATERIAL CONFORMANCE						
	A040 NOTIFICATION OF QUALITY ESCAPE						
	A042 DART NOTIFICATION BY SUPPLIER						
	A043 RETENTION OF QUALITY DOCUMENTS						

Line Total: \$496.

Deliver To: ANDY

2	71400-11	DEF-23377-1-N1GKT AQUA GREEN PRIMER	11/19/2014	Yes	4.00 Each	\$289.15	\$1,156.
			11/19/2014				

Line Total: \$1,156.

Deliver To: ANDY

Note:



# Tempo Aerospace Inc.

205 Fenmar Drive  
Toronto ON M9L 2X4 Canada  
Phone: 416.746.2233 Fax: 416.746.2235  
orderdesk@tempo-aerospace.com

# Packing Slip

No. 28060

Pg:1/2

**Ship To : [1]**

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada

**For : Account No. [DARTAS]**

Dart Aerospace Ltd.  
Attn: Chantal Lovoie, Buyer  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada  
Tel. : (613) 632-9577  
Fax : (613) 632-1053

S.O. No.	: 7881	Our Ref	:	Domestic AWB :
Cust P.O.	: PO26440	Your Ref	:	Int'l AWB :
Picked On	: Nov-11-2014	Trans Mode	: GROUND	Origin :
Shipped On	: Nov-12-2014	Req. Docs	: CC,TR,SD	Transport :
Ship Via	: PUROLATOR GROUND	Lic No.	:	Nationality:
Incoterms	: FREE CARRIER	Expires	:	Trip/Flight:
Terms	: NET 30			
Ship Via Acct.	: PUROLATOR GROUND Account No. 7684382			
Our Contact	: House Account			

Line	P/N & Description	Ordered	Qty Shipped	Back Order	Packaging
1	4500-P-23Y Yellow Epoxy Primer Spec1:BAMS565-001 RvC GrA. Cat1Ty1	4	4 KT	0	(In Box:b) (Qty 2 in Pkg:a) (In Box:b) (Qty 2 in Pkg:b)
2	4500-PB-23Y-BG BASE: Yellow Epoxy Primer UID: 14240 	4	4 GC	0	
3	Batch # :14632 LINE VOLUME: [ML] 15,144.000 4500-C-23 HARDENER: Epoxy UID: 14242 	4	4 GC	0	SP141113
	Batch # :14701 LINE VOLUME: [ML] 15,144.000 For a DANGEROUS GOODS EMERGENCY, call Canutec at the 24 hours number (613) 996-6666 / Pour une MARCHANDISES DANGEREUSES URGENCE, appeler Canutec au nombre de 24 heures (613) 996-6666				
Box No.	Box(es) Type / Description Dimension Type [CM]	Gross Weight [KG]	Net Weight [KG]		Box(es) ID
1	4X1 Double Walled Brown Box L 14.750 x W 14.500 x H 8.250	0.000	0.000		a



## Tempo Aerospace Inc.

205 Fenmar Drive  
Toronto ON M9L 2X4 Canada  
Phone: 416.746.2233 Fax: 416.746.2235  
orderdesk@tempo-aerospace.com

## Packing Slip

Trans Mode : GROUND  
Req. Docs : CC,TR,SD

Pick Ticket No. 28060 / Page : 2/2

Line	P/N & Description	Ordered	Qty Shipped	Back Order	Packaging
2	4X1 Double Walled Brown Box L 14.750 x W 14.500 x H 8.250	0.000	0.000		b

Picked By :

Sean Chapman, PRESIDENT

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ORIGINAL



# Tempo Aerospace Inc.

205 Fenmar Drive  
Toronto ON M9L 2X4 Canada  
Phone: 416.746.2233 Fax: 416.746.2235  
orderdesk@tempo-aerospace.com

# Confirmation

Print Date : Nov-11-2014 9:18 AM

Printed By : 001A Print No. : 2

OUR S.O. : 7881		YOUR P.O. : PO26440 Pg:1/2	
<b>For : Account No. [DARTAS]</b>		<b>Bill To :</b>	
Dart Aerospace Ltd. Attn: Chantal Lovoie, Buyer 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada Tel. : (613) 632-9577 Fax : (613) 632-1053		Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada Tel. : 613.632.3336 Fax : 613.632.4443	
<b>Remit Payment To :</b>		<b>Ship To :</b>	
Tempo Aerospace Inc. 205 Fenmar Drive Toronto, ON M9L 2X4 Canada Tel. : 416.746.2233 Fax : 416.746.2235		Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada Tel. : 613.632.3336 Fax : 613.632.4443	
<b>Order Date</b> : Nov-11-2014	<b>Ship Via</b> : PUROLATOR GROUND		
<b>Ship Date</b> : See below	<b>Incoterms</b> : FREE CARRIER		<b>Trans Mode</b> : GROUND
<b>Terms</b> : NET 30			<b>Req. Docs</b> : CC,TR,SD
<b>Our Contact</b> : House Account			
<b>Ship Via Acct.</b> : PUROLATOR GROUND Account No. 7684382			

Line	P/N & Description	Qty Order	Ship Date	Unit Price	Amount
1	<b>4500-P-23Y</b> Yellow Epoxy Primer <b>Spec1:</b> BAMS565-001 RvC GrA. Cat1Ty1	4 KT	Nov-14-2014	\$ 0.00 KT	
2	<b>4500-PB-23Y-BG</b> BASE: Yellow Epoxy Primer <b>LINE VOLUME:</b> [ML] 15,144.000	4 GC	Nov-14-2014	\$ 91.35 GC	\$ 365.40
3	<b>4500-C-23</b> HARDENER: Epoxy <b>LINE VOLUME:</b> [ML] 15,144.000	4 GC	Nov-14-2014	\$ 32.65 GC	\$ 130.60
4	<b>DEF-23377-1-N-1GKT</b> Aqua Green, Chrome Free Epoxy Primer <b>Note:</b> Non-Stock 5 weeks Lead-time <b>Spec1:</b> MIL-PRF-23377K Ty.I CL.N	4 KT	Dec-09-2014	\$ 0.00 KT	
5	<b>DEF-02GN084</b> BASE: Aqua Green Chromate Free Epoxy Primer	4 GC	Dec-09-2014	\$ 216.86 GC	\$ 867.44

Unit Measure Abbreviations:

GC - Gallon Can QC - Quart Can PT - Pint Can PL - 5 Gallon Pail

Please note that lead times are in BUSINESS DAYS.

Continued on next page...



# Tempo Aerospace Inc.

205 Fenmar Drive  
Toronto ON M9L 2X4 Canada  
Phone: 416.746.2233 Fax: 416.746.2235  
orderdesk@tempo-aerospace.com

# Confirmation

Trans Mode : GROUND  
Req. Docs : CC,TR,SD

YOUR P.O.PO26440 / Page: 2/2

Line	P/N & Description	Qty Order	Ship Date	Unit Price	Amount
6	<p>Spec1: MIL-PRF-23377K TY I CL.N LINE VOLUME: [ML] 11,360.000 DEF-02GN084CAT CURE: Aqua Green Epoxy Primer Spec1: MIL-PRF-23377K TY I CL.N LINE VOLUME: [ML] 3,788.000 70% Shelf Life Required Please note the DEF-23377-1-N-1GKT is not in stock and could take up to 5 weeks for delivery.</p>	4 QC	Dec-09-2014	\$ 72.29 QC	\$ 289.16

HST 13%: \$ 214.84	Sub Total: \$ 1,652.60
Unit Measure Abbreviations: GC - Gallon Can QC - Quart Can PT - Pint Can PL - 5 Gallon Pail KT - Kit	
Please note that lead times are in BUSINESS DAYS.	
	
Sean Chapman, PRESIDENT	
<b>Total Tax:</b> \$ 214.84	
<b>Total:</b> [CAD] \$ 1,867.44	



# Tempo Aerospace Inc.

205 Fenmar Drive  
Toronto ON M9L 2X4 Canada  
Phone: 416.746.2233 Fax: 416.746.2235  
orderdesk@tempo-aerospace.com

## Certificate of Conformance



Your P.O.: PO26440

No. : 207840

Pg:1/1

Sold To : Account No. [DARTAS]

Dart Aerospace Ltd.  
Attn: Chantal Lovoie, Buyer  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada  
Tel. : (613) 632-9577  
Fax : (613) 632-1053

Shipped To :

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada  
Tel. : 613.632.3336  
Fax : 613.632.4443

Line	P/N & Description	Qty Ordered	Shipped	Unit Sell Price	Amount
1	4500-P-23Y Yellow Epoxy Primer Spec1:BAMS565-001 RvC GrA. Cat1Ty1 Same bases different catalyst	4 KT	4 (Qty. Back 0)		
2	4500-PB-23Y-BG BASE: Yellow Epoxy Primer Pick Ticket / Packing Slip No. : 28060 Batch # : 14632 Cat Batch# : 14701 MFG: (TEM2233) TEMPO AEROSPACE INC Mfg Date:Jul-31-2014 Shelf Life Expiration: Jul-30-2016 LINE VOLUME: [ML] 15,144.000	4 GC	4 (Qty. Back 0)		
3	4500-C-23 HARDENER: Epoxy Pick Ticket / Packing Slip No. : 28060 Batch # : 14701 MFG: (TEM2233) TEMPO AEROSPACE INC Mfg Date:Jul-23-2014 Shelf Life Expiration: Jul-22-2016 LINE VOLUME: [ML] 15,144.000	4 GC	4 (Qty. Back 0)		

I certify that the whole of the material listed below has been inspected and tested and conforms to the drawings and/or specifications quoted on, or referenced by your Purchase Order.

Abbreviations:

FS = Federal Standard 595C



Tatiana Maiatzky, Chemist, QA Manager

Customer: Dart Aerospace Ltd.  
Account No.: DARTAS

Customer PO: PO26440  
Sales Order: 7881

## Packing Slip: 28060

SKU: 4500-P-23Y	Yellow Epoxy Primer	<u>QSHIP</u>	4.00	KT
Specification:	BAMS565-001 RvC GrA. Cat1Ty1			

SKU: 4500-PB-23Y-BG    BASE: Yellow Epoxy Primer    QSHIP 4.00 GC Batch: 14632

Formula Code	4500PB23Y		Batch No.:	14632	DOM:	July 2014
Test		Lower Spec.	Upper Spec.	Nominal	Test Result	Overall Result
DEN-WPG		12.08	12.48	12.28	12.32	Passed
NV - WT%		70.99	73.89	72.44	72.40	Passed
VISC MIX - 2 ZAHN		14.00	23.00	18.50	22.00	Passed
GLOSS - 60 DEGREE		0.00	6.00	3.00	2.10	Passed
ADH - WET				5B AS PER ASTM D3359	PASS	Passed
SPRAYING PROPERTIES					OK	Passed
COLOUR - STD				BAC377 @ 1.0-1.5 MIL	PASS	Passed
CAT - BATCH					14701	Passed
DFT - MILS		0.50	0.80	0.65	0.80	Passed
DRY - TACK FREE				MAX 4 HOURS	PASS	Passed
DRY-THRU				8 HOURS	PASS	Passed
POT-LIFE-8 HRS END	#2 Zahn			28" MAX	PASS	Passed
IMPACT - D				>50 in.lb	PASS	Passed
IMPACT - ID				>30 in.lb.	PASS	Passed
FLUID RESISTANCE				7 DAYS SKYDROL	PASS	Passed
DFT - MILS				1.5-2.0 FOR GLOSS	PASS	Passed
CONDITION					OK	Passed

SKU: 4500-C-23    HARDENER: Epoxy    QSHIP 4.00 GC Batch: 14701

Formula Code	4500C23		Batch No.:	14701	DOM:	July 2014
Test		Lower Spec.	Upper Spec.	Nominal	Test Result	Overall Result
DEN-WPG		7.08	7.48	7.28	7.27	Passed
CLARITY					OK	Passed
NV - WT%		19.90	20.70	20.30	20.40	Passed





# TEMPO AEROSPACE INC.

AIRCRAFT AND AUTOMOTIVE FINISHES  
INDUSTRIAL PAINTS, LACQUERS, VARNISHES  
205 FENMAR DRIVE, TORONTO, ONTARIO CANADA M9L 2X4  
TEL: (416) 746 2233 FAX: (416) 746 2235  
E-MAIL: sales@tempo-aerospace.com

ISO9001 REGISTERED

## MATERIAL SAFETY DATA SHEET

### - I - PRODUCT INFORMATION -

MANUFACTURER  
TEMPO AEROSPACE INC.  
205 FENMAR DRIVE  
TORONTO, ONTARIO, CANADA  
M9L 2X4

Telephone: (416) 746 2233

Emergency telephone: (416) 746 2233  
CANUTEC (24 hours): (613) 996 6666

SUPPLIER  
Same.

Description : YELLOW BASE EPOXY PRIMER  
Product Code : 4500-PB-23Y  
Product Class : Primer  
HMIS Ratings : HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 1 PPE: G  
WHMIS Classification: B2, D2a, D2b  
TDG CLASSIFICATION : PAINT TDG Class 3 UN1263 Packing Group II

### - II - PREPARATION INFORMATION -

Prepared by : ALAN BOLYOS  
Telephone : (416) 746 2233  
Date Prepared : 05/07/13

### - III - HAZARDOUS INGREDIENTS -

		CAS Reg. No.	% by wt.	ppm-TLV-mg/m3	SOURCE
(i)	Alkylammonium salt of polycarboxylic acid	N.AV.	-	N.AV.	N.AV.
(ii)	Alkylammonium salt of unsaturated fatty acid	N.AV.	-	N.AV.	N.AV.
(iii)	Epoxy Resin	25036 25 3	10-30%	N.AV.	N.AV.
(iv)	Epoxy phenol novolac	28064 14 4	10-30%	N.AV.	N.AV.
(v)	Methyl isobutyl ketone	00108 10 1	1.0-5%	50	205
(vi)	Methyl Ethyl Ketone	00078 93 3	5-10%	200	590
(vii)	PM Ether/Propylene Glycol Methyl Ether	00107 98 2	1.0-5%	100	360
(viii)	Silicon Dioxide, Amorphous	68855 54 9	1.0-5%	N.AV.	3
(ix)	Silica, cristobalite	14464 46 1	1.0-5%	N.AV.	0.1
(x)	Strontium chromate	07789 06 2	10-30%	N.AV.	.0005
(xi)	Talc, non fibrous	14807 96 6	1.0-5%	N.AV.	2
(xii)	Wollastonite	13983 17 0	10-30%	N.AV.	MFR
(xiii)	Xylene	1330 20 7	1.0-5%	100	435

(N.AV. = not available. N.A.P. = not applicable.)

Notes:

(i) - HMIRC Registration Number and date: 3913 03/30/98 (AL200016)  
(ii) - HMIRC Registration Number and date: 3913 03/30/98 (AL200017)  
(iii) - flammable, irritant (EP110007)  
LD50 mg/kg: 5100 , oral , Rat.  
LC50(4 hr): 1500 ppm , Rabbit.  
(iv) - Irritant (EP110008)  
(v) - flammable, irritant (ME090002)  
LD50 mg/kg: 2080 , oral , Rat.  
LC50(4 hr): 2000 ppm , Rat.  
(vi) - flammable, irritant (ME090006)  
LD50 mg/kg: 2740 , oral , Rat.  
LC50(4 hr): 11700 ppm , Rat.  
(vii) - flammable, irritant (PM090002)  
LD50 mg/kg: 5660 , oral , Rat.  
LC50(4 hr): 7000 ppm , Rat.  
(viii) - irritant (SI010001)  
LD50 mg/kg: 3160 , oral , Rat.  
(ix) - respiratory irritant (SI010005)  
(x) - carcinogenic (ST020001)  
LD50 mg/kg: 600 , oral , Rat.  
(xi) - Irritant (TA060001)  
(xii) - irritant (WO060001)  
(xiii) - flammable, irritant (XY090001)  
LD50 mg/kg: 4300 , oral , Rat.  
LC50(4 hr): 5000 ppm , Rat.

- IV - PHYSICAL DATA -

ODOUR AND APPEARANCE: Characteristic odor of solvents present.  
VOLATILE BY VOLUME : 47.85%  
SPECIFIC GRAVITY : 1.459  
EVAPORATION RATE : SLOWER than N'Butyl Acetate.  
FLASHPOINT : -9 Degrees Centigrade (Setaflash)  
LEL : 1.1  
STABILITY : STABLE  
HAZ. POLYMERIZATION : WILL NOT occur.  
VOC (gm/lt) : 410.2 (water in)  
VOC (gm/lt) : 410.2 (water out)

- V - FIRE AND EXPLOSION HAZARD -

EXTINGUISHING METHOD

Extinguish with carbon dioxide, foam, dry chemical. Water may be ineffective at putting out fires.

SPECIAL FIRE-FIGHTING PROCEDURES

Self contained positive pressure breathing apparatus should be worn by fire fighting personnel. Exposure to heat builds pressure in closed containers. To prevent bursting, cool with stream of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Flammable; material will ignite readily at ambient temperatures. Avoid use in the vicinity of sparks, static, or any source of ignition. Product is a static accumulator. Use proper grounding procedures when transferring.

Vapours are heavier than air and may travel along the ground to ignition sources distant from the point of material handling and flash back. Vapours will collect in low laying areas and confined spaces.

HAZARDOUS COMBUSTION PRODUCTS

Complete and partial combustion of the paint itself or the dried film will produce carbon monoxide, carbon dioxide and various other toxic hydrocarbons.

- VI - REACTIVITY DATA -

CONDITIONS TO AVOID

To maintain stability, avoid ignition sources.

INCOMPATIBILITY - MATERIALS TO AVOID

To maintain product integrity, avoid contact with strong acids, alkalis, oxidizable material, (reducing agents), oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS

See Section 5D for Hazardous Combustion Products.

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID

None known.

- VII - TOXICOLOGICAL PROPERTIES -

ACUTE EFFECTS OF OVEREXPOSURE

SKIN CONTACT:

Irritating on contact.

Contains an ingredient which may be absorbed through the skin. See ingestion for symptoms.

Repeated or prolonged exposure may cause dry skin and dermatitis.

EYE CONTACT:

Liquid is irritating when splashed directly into the eyes.

Severe exposure to vapours will irritate the eyes.

INHALATION:

Vapours and mist may cause nervous system depression, characterized by nausea, dizziness, loss of co-ordination, etc.

Inhalation of product may irritate the respiratory system.

INGESTION:

May cause gastrointestinal irritation.

Ingestion, like inhalation, may cause central nervous system depression with similar symptoms. However, small amounts aspirated into the respiratory system during ingestion or subsequent vomiting will cause severe lung irritation, (chemical pneumonitis).

CHRONIC EFFECTS OF OVEREXPOSURE

Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage.

Prolonged inhalation of crystalline silica dust in high concentrations may lead to silicosis, a chronic lung disease. IARC has evaluated crystalline silica as a level 2A carcinogen, (limited human evidence).

Chromium and certain chromium compounds are classified by IARC and NTP as known carcinogens, (Group 2B). ACGIH lists chromates of lead as substances of suspect carcinogenicity to man. Laboratory studies show that only calcium, strontium and zinc chromates produce statistically significant increases in the number of carcinomas. No such increases were seen with lead chromate.

Chronic exposure has resulted in liver and kidney damage in laboratory animals.

Xylene has been classified as a possible embryotoxin based on recommendations from the World Health Organization.

Chronic inhalation of talc in powdered form may result in talc pneumoconiosis.

**IRRITANCY**

Product is a moderate eye and skin irritant.  
Product is a respiratory irritant.

**SENSITIZATION**

Product is essentially nonsensitizing.

**- VIII - FIRST AID MEASURES -****SKIN CONTACT**

Wash thoroughly with soap and water. Remove contaminated clothing.  
Seek medical attention if irritation persists.

**EYE CONTACT**

Flush with warm water until irritation subsides. If irritation persists, seek medical attention.

**INHALATION**

Remove to fresh air. Perform artificial respiration if necessary. Avoid direct mouth to mouth contact. Get medical help immediately.

**INGESTION**

Dilute by drinking 1 to 2 fluid ounces of water if conscious. Do not induce vomiting. Call for prompt medical attention.

**- IX - PREVENTIVE MEASURES -****SPILL OR LEAK PROCEDURES**

Use nonsparking tools and explosion proof equipment.  
Eliminate ignition sources. Stop spill at source. Pump up excess. Soak up residue with a suitable absorbant and collect absorbate in a container for disposal. For larger spills, dike to prevent spreading, notify the proper authorities.  
Restrict access to area.

**WASTE DISPOSAL METHOD**

Incinerate or landfill in accordance with local, provincial and federal legislation. Never dispose of by means of public waters or drainage systems.

**PERSONAL PROTECTIVE EQUIPMENT**

A NIOSH approved organic vapour respirator with dust and mist prefilter may be required in the absence of adequate environmental controls, (when TLV exceeded).

Nitrile, neoprene or rubber gloves and long sleeves should be worn to prevent skin contact. Chemical goggles should be worn to prevent eye contact. Do not wear contact lenses.

Safety shower and eye bath should be available. Approved barrier creams may be used as skin protection.

**VENTILATION AND ENGINEERING CONTROLS**

Use adequate ventilation (general or local) to maintain the ambient concentration below the occupational exposure limit.  
Local exhaust is recommended.

**TRANSPORTATION, STORAGE, AND HANDLING PROCEDURES**

Avoid generation of excessive dust and dust inhalation during sanding and spraying operations.

Use good housekeeping practices to avoid accidental ingestion. Keep away from food and feed products. Wash thoroughly after handling, and before eating or smoking.

Store in a cool, dry, well ventilated area.

Remove from sources of ignition. Contaminated rags may catch fire spontaneously. Store under water in a closed container before cleaning. Do not reuse empty containers. Recondition or dispose of in the proper manner.

Use with adequate ventilation. Avoid skin contact. Protect your eyes.

Avoid generating vapours or mists.



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TEL: (416) 746 2233 FAX: (416) 746 2235  
E-MAIL: sales@tempo-aerospace.com

ISO9001 REGISTERED

### MATERIAL SAFETY DATA SHEET

#### - I - PRODUCT INFORMATION -

MANUFACTURER  
TEMPO AEROSPACE INC.  
205 FENMAR DRIVE  
TORONTO, ONTARIO, CANADA  
M9L 2X4

Telephone: (416) 746 2233

Emergency telephone: (416) 746 2233  
CANUTEC (24 hours): (613) 996 6666

SUPPLIER  
Same.

Description : EPOXY PRIMER CATALYST  
Product Code : 4500-C-23  
Product Class : CATALYST  
HMIS Ratings : HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0 PPE: G  
WHMIS Classification: B2, D2a, D2b  
TDG CLASSIFICATION : PAINT RELATED MATERIAL  
TDG Class 3 UN1263 Packing Group II

#### - II - PREPARATION INFORMATION -

Prepared by : ALAN BOLYOS  
Telephone : (416) 746 2233  
Date Prepared : 10/03/14

#### - III - HAZARDOUS INGREDIENTS -

	CAS Reg. No.	% by wt.	ppm-TLV-mg/m <sup>3</sup>	SOURCE
(i) n-Butanol	71-36-3	10-30%	50	150
(ii) Isopropanol	67-63-0	5-10%	400	980
(iii) Xylene	1330-20-7	30-60%	100	435

(N.AV. = not available. N.A.P. = not applicable.)

Notes:

(i) - flammable, irritant (BU090001)  
LD50 mg/kg: 800, oral, Rat.  
LC50(4 hr): 8000 ppm, Rat.

(ii) - flammable, irritant (IS090004)  
LD50 mg/kg: 4710, oral, Rat.  
LC50(4 hr): 17000 ppm, Rat.

(iii) - flammable, irritant (XY090001)  
LD50 mg/kg: 4300, oral, Rat.  
LC50(4 hr): 5000 ppm, Rat.

- IV - PHYSICAL DATA -

ODOUR AND APPEARANCE: Characteristic odor of solvents present.  
VOLATILE BY VOLUME : 82.03%  
SPECIFIC GRAVITY : 0.871  
EVAPORATION RATE : SLOWER than N'Butyl Acetate.  
FLASHPOINT : 18 Degrees Centigrade (SETAFLASH CC)  
LEL : 1.1  
STABILITY : STABLE  
HAZ. POLYMERIZATION : WILL NOT occur.  
VOC (gm/lt) : 687.6 (water in)  
VOC (gm/lt) : 687.6 (water out)  
HAPS (% wt) : 40.97

- V - FIRE AND EXPLOSION HAZARD -

EXTINGUISHING METHOD

Extinguish with carbon dioxide, foam, dry chemical, or water spray.

SPECIAL FIRE-FIGHTING PROCEDURES

Self contained positive pressure breathing apparatus should be worn by fire fighting personnel. Exposure to heat builds pressure in closed containers. To prevent bursting, cool with stream of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Flammable; material will ignite readily at ambient temperatures. Avoid use in the vicinity of sparks, static, or any source of ignition. Product is a static accumulator. Use proper grounding procedures when transferring.

Vapours are heavier than air and may travel along the ground to ignition sources distant from the point of material handling and flash back. Vapours will collect in low laying areas and confined spaces.

HAZARDOUS COMBUSTION PRODUCTS

Complete and partial combustion of the paint itself or the dried film will produce carbon monoxide, carbon dioxide and various other toxic hydrocarbons.

- VI - REACTIVITY DATA -

CONDITIONS TO AVOID

To maintain stability, avoid ignition sources.

INCOMPATIBILITY - MATERIALS TO AVOID

To maintain product integrity, avoid contact with strong acids, reactive metals oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS

See Section 5D for Hazardous Combustion Products.

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID

None known.

- VII - TOXICOLOGICAL PROPERTIES -

ACUTE EFFECTS OF OVEREXPOSURE

SKIN CONTACT:

Irritating on contact.

Contains an ingredient which may be absorbed through the skin. See ingestion

for symptoms.

Repeated or prolonged exposure may cause dry skin and dermatitis.

**EYE CONTACT:**

Liquid is irritating when splashed directly into the eyes.

Severe exposure may cause eye burns resulting in permanent injury.

**INHALATION:**

Vapours and mist may cause nervous system depression, characterized by nausea, dizziness, loss of co-ordination, etc.  
Inhalation of product may irritate the respiratory system.

**INGESTION:**

May cause gastrointestinal irritation.

Ingestion, like inhalation, may cause central nervous system depression with similar symptoms. However, small amounts aspirated into the respiratory system during ingestion or subsequent vomiting will cause severe lung irritation, (chemical pneumonitis).

**CHRONIC EFFECTS OF OVEREXPOSURE**

Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage.

Chronic exposure has resulted in liver and kidney damage in laboratory animals. There is some evidence that long term overexposure to n-butanol may result in hearing loss.

Xylene has been classified as a possible embryotoxin based on recommendations from the World Health Organization.

**IRRITANCY**

Product is a moderate eye and skin irritant.

Product is a respiratory irritant.

**SENSITIZATION**

Product is essentially nonsensitizing.

**- VIII - FIRST AID MEASURES -**

**SKIN CONTACT**

Wash thoroughly with soap and water. Remove contaminated clothing.

**EYE CONTACT**

Flush with warm water until irritation subsides. If irritation persists, seek medical attention.

**INHALATION**

Remove to fresh air. Perform artificial respiration if necessary. Avoid direct mouth to mouth contact. Get medical help immediately.

**INGESTION**

Dilute by drinking 1 to 2 fluid ounces of water if conscious. Do not induce vomiting. Call for prompt medical attention.

**- IX - PREVENTIVE MEASURES -**

**SPILL OR LEAK PROCEDURES**

Use nonsparking tools and explosion proof equipment.

Eliminate ignition sources. Stop spill at source. Pump up excess. Soak up residue with a suitable absorbant and collect absorbate in a container for disposal. For larger spills, dike to prevent spreading, notify the proper authorities.

Ventilate area. Wear adequate personal protective equipment.  
Restrict access to area.

**WASTE DISPOSAL METHOD**

Incinerate or landfill in accordance with local, provincial and federal legislation. Never dispose of by means of public waters or drainage systems.

**PERSONAL PROTECTIVE EQUIPMENT**

Nitrile, neoprene or rubber gloves and long sleeves should be worn to prevent skin contact. Chemical goggles should be worn to prevent eye contact. Do not wear contact lenses. A NIOSH approved organic vapour respirator with dust and mist prefilter may be required in the absence of adequate environmental controls, (when TLV exceeded). Safety shower and eye bath should be available. Approved barrier creams may be used as skin protection. Teflon or viton gloves recommended.

**VENTILATION AND ENGINEERING CONTROLS**

Use adequate ventilation (general or local) to maintain the ambient concentration below the occupational exposure limit.

**TRANSPORTATION, STORAGE, AND HANDLING PROCEDURES**

Contaminated rags may catch fire spontaneously. Store under water in a closed container before cleaning.

Store in a cool, dry, well ventilated area.

Remove from sources of ignition.

Do not reuse empty containers. Recondition or dispose of in the proper manner. Use with adequate ventilation. Avoid skin contact. Protect your eyes.